Section 1: Product and Company Identification

Product Name: Diamond Compound, 1/10, ¼, ½, 1, 3, 6, 15, Set, 9, 30, 45 µm

Synonym: Diamond Paste Polishing Compound

Company Name
Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)
Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)
CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day
CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

Section 2: Hazard Identification

GHS Classification: Not a hazardous substance or mixture.
GHS Pictograms: None
Signal Word: None

Health Effects:
NFPA Hazard Rating: Health: 1; Fire: 1; Reactivity: 0
HMIS® Hazard Rating: Health: 1; Fire: 1; Reactivity: 0
(0=least, 1=slight, 2=moderate, 3=high, 4=extreme)

Hazard Statements: None
Precautionary Statements:
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling.
P337-P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container to Federal, State, and Local Regulations.

Results of PBT and vPvB assessment: A chemical safety assessment has not been carried out.
PBT: ND
vPvB: ND

Emergency overview:
Appearance: Thick paste. Varying in color
Immediate effects: ND

Potential health effects
Primary Routes of entry: Inhalation at high temperatures, eye contact, skin contact.
Signs and Symptoms of Overexposure: Irritation.
Eyes: May cause moderate to severe irritation seen as marked excess reddening and swelling or the conjunctiva.
Skin: May cause irritation experienced as reddening and itchiness.
Ingestion: May cause gastrointestinal irritation. Nausea and vomiting may occur.
Inhalation: Vapor and mist may irritate nose and throat. Prolonged inhalation may cause dizziness.
Medical Conditions Aggravated by Long-Term Exposure: Individuals with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of chemical.
Chronic Exposure: ND
Chemical Listed As Carcinogen or Potential Carcinogen: No
See Toxicological Information (Section11)

Potential environmental effects
See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)</th>
<th>%</th>
<th>OSHA PEL mg/m3</th>
<th>ACGIH TLV mg/m3</th>
<th>NTP Carcinogen</th>
<th>IARC Carcinogen</th>
<th>OSHA regulated Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyalkylene Glycol (9038-95-3)</td>
<td>40-80</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
<td>ND</td>
<td>No</td>
</tr>
<tr>
<td>Carbon (7782-40-3)</td>
<td>5-30</td>
<td>10</td>
<td>10</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Proprietary (trade Secret)</td>
<td>1-20</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>ND</td>
<td>No</td>
</tr>
</tbody>
</table>

No ingredients are known to be hazardous under normal usage. Product formulation is Proprietary.

Section 4: First Aid Measures
If accidental overexposure is suspected
Eye(s) Contact: Flush with plenty of water for at least 15 minutes. Get immediate medical attention.
Skin Contact: Remove contaminated clothing and shoes. Flush with plenty of water. Wash with warm water and mild soap. Get medical attention if symptoms persist.
Inhalation: Most likely not to occur, however vapors from polishing may be irritating, remove to fresh air. Seek medical attention if irritation persists.
Ingestion: May be irritating to digestive system, seek medical attention.

Note to physician
Treatment: ND
Medical Conditions generally Aggravated by Exposure:

Section 5: Fire Fighting Measures
Flash Point: > 200 deg. C (estimated).
Flammable Limits: NA
Auto-ignition point: NA
Fire Extinguishing Media: Carbon Dioxide, Foam, Dry Chemical, Water Spray.
Special Fire Fighting Procedures: Wear a NIOSH approved positive pressure self-contained breathing apparatus with full protective clothing. Do not release runoff into sewers or waterways.
Unusual Fire and Explosion Hazards: None
Hazardous combustion products: Specific to type of material involved in fire.
DOT Class: None

Section 6: Accidental Release Measures
Steps to be Taken in Case Material is Released or Spilled: Collect material for proper disposal.
Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage
Precautions to be taken in Handling and Storage: Exercise ordinary care in handling industrial lubricants. Wash hands thoroughly after handing. Store in a well-ventilated area out of heat and sun. Store away from combustibles and reactive chemicals.
Storage temperature: Room temperature.
Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls
Ventilation required: Local ventilation is generally not necessary under normal conditions of use adequate general ventilation. Ventilation and other forms of engineering controls are the preferred means for controlling chemicals exposures.

Personal Protection Equipment
Respiratory protection: Avoid breathing in mist
Protective gloves: Wear protective gloves and avoid skin contact.
Skin protection: Wear protective clothing.
Eye protection: Wear protective goggles and glasses.
Additional clothing and/or equipment: Eye wash stations.

Exposure Guidelines
See Composition/Information on Ingredients (Section 3)

Section 9 Physical and Chemical Properties
Appearance and Physical State: Paste. Dye coloring may be used. It is not unusual to see the following colors: Yellow orange, green, blue, red, brown, black. Faint odor.
Odor (threshold): Faint odor.
Specific Gravity (H₂O=1): 0.971 at 20º C
Vapor Pressure (mm Hg): <0.01 mm Hg @ 20º C
Vapor Density (air=1): 9.3
Percent Volatile by volume: 40-70
Evaporation Rate (butyl acetate=1): NA
Boiling Point: >200 20º C
Freezing point / melting point: <
pH: 9-10
Solubility in Water: 100%
Molecular Weight: NA

Section 10: Stability and Reactivity
Stability: Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid: Heat source.
Hazardous Decomposition Products: Steam, carbon dioxide, carbon monoxide, and unidentified organic compounds in fumes and smoke may be form during combustion.
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information
Results of component toxicity test performed: Poly(ethylene glycol-ran-propylene glycol) monobutyl ether.
CAS-No.: 9038-95-3
Acute toxicity LD50 Oral - Rat - 12,792 mg/kg, Inhalation: No data available, LD50 Dermal - Rabbit - > 20,800 mg/kg.
No data available Skin corrosion/irritation Skin – Rabbit Result: Mild skin irritation Serious eye damage/eye irritation No data available Respiratory or skin sensitisation No data available.
Human experience: ND
This product does or does not contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.
Section 12: Ecological Information
Ecological Information: This product is bio-degradable.
Chemical Fate Information: NA

Section 13 Disposal Considerations
RCRA 40 CFR 261 Classification: Contact a licensed waste disposal contractor for detailed recommendations. Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information
US DOT Information: Not regulated.
IATA: Not regulated.
IMO: Not regulated.
Marine Pollutant: No
Canadian TDG: Not regulated.

Section 15: Regulatory Information
United States Federal Regulations
SARA Title III: 313: No ingredients listed. Extremely Hazardous Substances (TPQ): No ingredients listed.
RCRA: None listed.
TSCA: All of the components of this product are listed on the TSCA inventory.
CERCLA: No ingredients listed.

State Regulations
California Proposition 65: None listed.

International Regulations
Canada WHMIS: ND
Europe EINECS Numbers: ND

Section 16: Other Information
Label Information: ND
European Risk and Safety Phrases: ND
European symbols needed: ND
Canadian WHMIS Symbols: ND

Abbreviations used in this document
NE= Not established
NA= Not applicable
NIF= No Information Found
ND= No Data

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